

CHIRPS, Melania; SANIOLESCU, D.; HERSCOVICI, J.; FIEROIU, Victoria; SFINTESCU, C.; FRUCHTER, Nuti

Documentation methods for technical and scientific chemical research. Rev chimie Min petr 15 no.12:745-753 D '64.

1. Submitted April, 1964.

1 34896-66
ACC NR: AP6026614

SOURCE CODE: RU/0003/65/016/005/0269/027?

AUTHOR: Ghips, S.

ORG: none

TITLE: Aspects of the economic efficiency of technical-scientific research in the chemical industry

SOURCE: Revista de chimie, v. 16, no. 5, 1965, 269-277

TOPIC TAGS: chemical industry, scientific research

ABSTRACT: After briefly describing the principal methods used to evaluate the economic efficiency of research work, the author gives some concrete examples relating to various research projects carried out and applied in the Rumanian chemical industry. It is emphasized that other factors besides the purely cost-influencing ones must be considered in the analysis, e.g., improved quality, use of indigenous raw materials, etc. Some suggestions are also presented for improving the efficiency of scientific research in the chemical industry through better planning and organizational measures for the most rational possible use of the research personnel. Orig. art. has: 5 figures and 2 tables. [Based on author's Eng. abstr.] [JPRS]

SUB CODE: 07, 05 / SUBM DATE: none

Card 1/1

UDC: 66.01.001.5

RUMANIA

COSTESCU, Nița, Dr; BOTEZ, A., Dr; GHIRCES, A., Dr; VASILIU, G., Dr; TAȘCA, D., Dr.

1. Hospital No. 2, Ministry of Transports and Telecommunications (Spitalul nr. 2, M.T.T.), Bucharest (For all); 2. Surgery Section (Sectia de chirurgie) - (For Costescu, Botez and Ghirces); 3. Pediatric Section (Sectia de pediatrie) - (For Vasiliu and Tașca).

Bucharest, Viata Medicala, No 13, 1 Jul 63, pp 897-902

"Severe Digestive Hemorrhage In Children In the Course of Cortisone and Acetylsalicylic Acid Treatment. Surgical Intervention Under Hypothermia."

(5)

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515020004-4

SECRET

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CIA-RDP86-00513R000515020004-4"

CHIRCOIAS, Tr., Ing.; Maculan Eugenia, Ing.

Cathodic protection of water supply pipes. Hidrotehnica & no.10:376-
383 O '63.

RUMANIA/Human and Animal Physiology (Normal and Pathological). T-8
The Liver.

Abs Jour : Ref Zhur - Biol., No 11, 1958, 50993

Author : Ciurdariu, P., Fekete, T., Vasiliu, Alexandra; Ghircioiu,
Tudorita

Inst :
Title : The Lugol Solution Reaction as a Single Test of Liver
Function.

Orig Pub : Vinta med., 1957, 4, № 4, 57-61.

Abstract : No abstract.

Card 1/1

PORA, Eugen A., acad.; GHIRCOIASIU, Maria; KOVACS, Valeria; FLOCA, Liviu

Tegumentary excretion of sulfur in vertebrates. Studii biol
Cluj 14 no.1:99-105 '63.

1. Chair of Animal Physiology and Biochemistry, "Babes-Bolyai"
University, Cluj.

KILLMANN, Victor, conf.ing., GHIRCOIASIU, Nicolae, conf.ing.

Some criteria for the launching of production on the automatic^
and semiautomatic machine tools. Metalurgia constr mas 14 no.3:
240-244 Mr '62.

1. Institutul Politehnic, Bucuresti.

GHIRCOLASIU, N.; PAVEL, Garofita

On conjugated n-harmonic functions. Bul stiint polit Cluj 6:25-30
'63.

GHIRCOIASIU, N.

Functional equation of the tangent. Bul. stiint polit
Cluj no. 7;43-49 '64.

HUMANIA / Chemical Technology. Chemical Products and H-31
Their Application. Caoutchouc. Natural and
Synthetic Rubber.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 3125.

Author : Ghircioiasu, C.

Inst : Not given.

Title : Behavior of Caoutchouc at High Temperatures.

Orig Pub: II-a Consf. tehn.-stiint. a ind. usoare. Piele.-
Cauciuc.-Sticla. Bucuresti, ASIT, 1957, 150-
159.

Abstract: The thermal stability of nitrile rubber containing 26% acrylonitrile (K) has been investigated. The vulcanization of K using a normal amount of S results in an unstable product; a decrease in the quantity of S down to its complete exclusion

Card 1/2

RUMANIA / Chemical Technology. Chemical Products and H-31
Their Application. Caoutchouc. Natural and
Synthetic Rubber.

Abs Jour: Ref Zhur-Khimia, No 1, 1959, 3120.

Author : Ghircoiasu, C., Morgan, F.

Inst : Not given.

Title : Latest Developments in the Rubber Industry.

Orig Pub: II-a Consf. tehn. stiint. a ind. usoare. Piele.-
Cauciuc.-Sticla. Bucaresti, ASIT, 1957, 164-167.

Abstract: A review with thirteen references. -- G. Markus.

Card 1/1

E. C. CHIACCHIARO

Distr: 4E20(j)

R6
Latex technology. L. C. Chiriaci. Ind. upgard
(Bucharest) S. 284-670003. Latex consists of a polydis-
persed system stabilized with ionic, nonionic, or amphoteric
stabilizers. Its stability may be partially or completely
destroyed by stirring, dehydration, change in the pH, addn.
of pol. dispersants, addn. of multivalent cations, and heating
and cooling cycles.

François Kertes

*2
2/1.21f
1*

9/9

GHIRCOIASU, C.

On latex technology, Il. p. 465.

INDUSTRIA USOROA. (Asociatia Stiintifica a Inginerilor si Technicienilor din Romania si Departementul Industriei Usoare din Ministerul Industriei Bumurilor de Consum) Bucuresti, Romania. Vol. 5, no. 12, Dec. 1950.

Monthly List of East European Accessions (EEAI) LC, Vol. 5, No. 5, June 1959.

Uncl.

CHIRCIU, C.

Utilization of synthetic rubber of the Neoprene type in the manufacture of adhesive solutions for shoes. p.382

INDUSTRIAL USCARI. (Asociatia Sfintifica a Inginerilor si Tehnicienilor din
România si Departamentul Industriei Uscare din Ministerul Industriei
Bunurilor de Consum)
Bucuresti, Romania
Vol. 6, no.10, Oct. 1959

Monthly List of East European Publications (LMI), Vol. 1, no.1, Jan. 1960
Uncl.

S/081/62/000/002/105/107
B110/B101

AUTHORS: Ghircoiasu, Cornel; Rasidescu, Stefan; Elian, Mihai

TITLE: Decomposition of pore-forming substances

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1962. 614 abstract
2P350 (Ind. uscara, v. 8, no. 2, 1961. 55 - 62)

TEXT: The kinetics of decomposition of dinitroso pentamethylene tetramine (I) and benzosulfo hydrazide (II) was studied as dependent on temperature and a large amount of ingredients of rubber mixtures. The volume of the gas separated at constant temperature as a function of time was expressed in ml/g of the pore-forming substance. The decomposition curves for pure II increase with increasing temperature. The end volume of the separated gas at 25°C and normal pressure is 120-130 ml/g. Tselenfor (a mixture of I with kaolin, 1:1) does not decompose at 145°C, partially at 165°C. The mixture ingredients accelerate, retard, or do not affect the decomposition of I and II. Clarification of the relationship between the chemical structure of the ingredients investigated and their effect on the decomposition of pore-forming substances is rendered difficult by the absence of an exact

Card 1/2

GHIRCOIASU, Cornel, Ing.

Mechanizing the rubber hose manufacture, Industria Uscara
8 no. 3:104-109 Mr '61.

11.25/1
15.9.01

38612
5/081/62/000/009/071/075
5160/2101

AUTHORS: Chireciu, Cornel, Residescu, Stefan, Ionescu, Gabriela,
Frencliu, Lili, Izvernaaru, Stefan

TITLE: Action of petroleum products and greases on a mixture of
(6)-13 butadiene acrylonitrile rubber

PERIODICAL: Nefertivnyj zhurnal. Khimiya, no. 9, 1962, 642, abstract
2P362 (Ind. usoara, v. 8, no. 4, 1961, 139 - 147)

TEXT: Data are given for the swelling and the changes in physico-mechanical properties that occur in 36 different mixtures of perburan 3810 which has been aged for 144 hours at 70° and 100°C, and has remained for 24 and 72 hours at 100°C in mil., mineral, vegetable or solar oils, or animal fat, or at 25°C in gasoline, a gasoline-benzene mixture (75:25) or non-paraffinous petroleum, mineral, solar and vegetable oils and milk. The mixtures were made with Carbomet channel black (A), Furnal R300 furnace black (B), Methanex black (C) and VN₃ Ultraseal (D). Two different accelerators were used in each group. Group A. Altering the amount and nature of the accelerator has little effect on swelling; but at temperatures up to 100°C swelling

Card 1/2

Action of petroleum products ...

5/061/62/000/009/071/075
B160/B101

ing increases when the amount of accelerator is increased. At 100°C no correspondence is observed between the amount of accelerator and the swelling. A change in the amount of accelerator does not change the physico-mechanical properties upon aging. The polar media and mineral oil extract the components from the mixtures. In milk the weight of the specimens increases during the first .4 hrs, after which extraction takes place. Group A. Changing the amount and nature of the accelerator has no effect on aging in the different media but has some effect on swelling. The polar media and mineral oil act in the same way as on Group A. An increase in weight in milk occurs in the first 52 hours at 100°C or 72 hours at 25°C. Group C The effect of the accelerator, mineral oils and polar liquids is the same as in Group B. In milk no extraction takes place in 3 days at 100°C. When the fillers in Groups A, B and C are combined there is a slight reduction in the swelling in the gasoline and benzene mixture. Group D. The mixtures swell more than the mixtures in Groups A, B and C. Milk has a stronger effect on the swelling and the mixture's components are not extracted. The behaviour of the mixtures in the polar media depends on the amount and nature of the accelerators. In non-polar media a change in the amount of accelerator has the same effect as in mixtures A, B and C. [Abstracter's note: Complete translation.]
Card 2/2

GHIROCOIASU, Cornel, ing.; RASIDESCU, Stefan, ing.; CATRANGIU, Elena, ing.

Considerations on the possibilities of using butyl rubber. Industria
usocura 8 no. 7,261-458 Jl '61.

GHIRCOIASU, Cornel; MUNTEANU, Galaction

Some considerations on certain new machines used in rubber industry. Industria usoara ? no.3:91-96 Mr '62.

1. Membru al Comitetului de redactie, "Industria usoara"
(for Munteanu).

CHIRCOTASU, Cornel, ing.; RASIDDESCU, Stefan, ing.; SPIEGEL, Adolf, ing.

Study related to the adherence of rubber mixtures on artificial
and synthetic threads. Industria uscara 9 no.5:175-180 My '62.

GHIRCOIASU, Cornel, ing.

Considerations on the manufacture of butadiene stirenic rubber
polymerised in the cold. Industria usoara 10 no.1:14-17 Ja '63.

NICULESCU, Gheorghe, Ing.; GHIRCOIASU, Cornel, Ing.

Activity of the Leather and Rubber Research Institute in
the introduction of new technology. Industria usoara 10
no.12.538-542 D'63.

1. Director al Institutului de cercetari piele- cauciuc
(for Niculescu). 2. Director stiintific adjunct al
Institutului de cercetari piele- cauciuc (for Ghircoiasu).

GHIROIASU, Cornel, ing.

New tendencies in the development of the rubber industry. Industria
usoara II no.2:72-75 F '64.

CHIRIASHI, Cornel, Ing.

Improvement of rubber goods quality, a determining factor for
reducing their consumption. Industria usoara 12 no.112-14
Ja '65.

J. Assistant Scientific Director, Leather and Rubber Research
Institute, Bucharest.

GHIRCOIAS, Tr., Ing.; MAHLK, Eugen, Jr.

Protection by insulation from corrosion of metallic pipes
for water supplies. Hidrotehnika & no. 7:260-264 Jl'63.

CHIHOIASIU, M.; TIRIU, I.

Action of inositol on the hair of white rats. p. 97.

Academie Republicii Populare Române. Filiala Cluj. INSTITUTUL DE
BIOLOGIE. Cluj, Romania. Vol. 9, no. 1, 1959.

Monthly List of East European Accessions (EMI) Vol. 8, no. 7, July 1959.

Uncl.

PORA, Eugen A.; SCHWARTZ, A.[deceased]; MADAR, I.; GHIRCOIASU, M.; KIS, Z.;
FELSZEGHY, E.; ABRAHAM, A.; KOVACS, V.

Action of insulin and vitamin B₂ on the metabolic processes of the
isolated diaphragm of rat. Studii cerc biol anim 12 no.3:381-393 '61.

1. Catedrele de fiziolologie animala si biochimie de la Universitatea
"Babes-Bolyai", Cluj. 2. Membru corespondent al Academiei R.P.R. (for
Pora).

GRIGOREIASCU, Maria; 1944, n.a.; COVACIU, Irina; 1944, Tudorita
and others.

Action of carbon tetrachloride on the malic acids, glycogen, and
transaminase activity in the rat's liver and tegument. Studii cerc-
binder, zool. no.6:493-499 (1964).

I. Chair of Animal Physiology of the "Babeș-Bolyai" University, Cluj.

GHIRDIKAR, Maria; JESCH, R. L.; and ; MICHNA, Leontine - 1979-01-01

Suprarenalectomy influence on the nutritive enzymes, lactate dehydrogenase activity, and tegumentary and hepatic glycogen. *Acta physiol. biol. exp. zoolog.* 17 no.1:79-84 - 1965.

1. Chair of Animal Physiology, "Adam Mickiewicz" University, Szczecin
Submitted June 19, 1964.

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515020004-4



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CIA-RDP86-00513R000515020004-4"

PHASE I BOOK EXPLOITATION

RUM/3788

Cluj, Transylvania. Institutul Politehnic

Lucrări științifice (Scientific Works) Cluj, Intreprinderea Poligrafica, 1959.
637 p. Errata slip inserted. No. of copies printed not given. No
contributors mentioned.

PURPOSE: This book is intended for mathematicians, physicists, chemists, and
civil and mechanical engineers.

COVERAGE: The book consists of 59 papers by Rumanian specialists on problems in
science and technology, particularly mathematics, physics, chemistry,
metallurgy, civil and mechanical engineering. Summaries in Russian and
French or German are given at the end of each article. Some of the articles
are accompanied by references. No personalities are mentioned. At the back
of the book there are 23 references, all Rumanian.

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RUM/3788

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CHIRCOIASIU, Nicolae

Some observations on the convergence of the series whose terms are
given by a linear recurrent relation. Studii cerc mat Cluj 10 no.1:
27-32 '59. (EEAI 10:6)

1. Institutul politehnic - Cluj, Catedra de matematica.
(Convergence) (Series) (Polynomials)
(Functions)

KILLMANN, Victor, conf. ing.; GHIRCOIASIU, Nicolae, conf. ing.

Some criteria on the launching of production of semiautomatic
and automatic machine tools. Metalurgia constr mas 14 no. 3:
240-244 Mr '62.

1. Institutul Politehnic, Cluj.

CHIRCOIASIU, Maria; PORA, E.A., acad.; ROVENTI, Ecaterina; CHIRCOIASIU, Tudorita

Action of carbon tetrachloride on DNA-nucleic acids, glycogen, and transaminase activity in the rat's liver and tegument. Studii cerc biol s. zool 16 no.6:493-499 '64.

1. Chair of Animal Physiology of the "Babes-Bolyai" University, Cluj.

GHIRINGHELLI, L.

BARTALINI, E.; GHIRINGHELLI, L. "Methemoglobinemia and Coproporphyrinuria in Experimental Aniline Poisoning." p. 121.
(Arhiv za Higijenu Rada. Vol. 4, no. 2, 1953. Zagreb.)

SO: Monthly List of East European Accessions, Vol. 3, No. 6, Library of Congress,
Feb. 1954, Unclassified.

GYRIU, Ion [Ghiriu, Ion], kul'torganizator

The object of our pride. Sov.profsoiuzy 17 no.22:38-39 N '61.
(MIRA 14:10)

1. Maladchik pervogo tsekha savoda imeni 21 dekabrya, g. Bukharest.
(Bucharest--Community centers)

GHIRKOV, S.K.

Indifferent electrodes. Zav.lab. 22 no.8:896-898 Ag '56.
(MLRA 9:11)

1. Ural'skiy gosudarstvennyy universitet.
(Electrodes)

I

Country : RUMANIA
Category: Plant Physiology Growth and Development

Abs Jour: RZhBiol , No 14, 1958, No 63016

Author : Preda, V ; Ghiso, A.
Inst : Rumanian IS
Title : Directed Determination of Sex in Diclinous
Plants (Urtica dioica)

Orig Pub: -

Abstract: The treatment of nettle with placental gonadotropic hormone prolactin (from the phase of sprout to that of floscule two drops daily) brought about flowering of plants in the same year in which they were sown and shifted their sexualization to the female side.

Card : 1/1

GHISA, Eugen; POP, Ioan; HODISAN, Ioan; CIURCHEA, Maria

Vegetation on the Vulcan Massif near Abrud. Studii biol Cluj 11 no.2:
255-267 '60. (EEAI 10:9)

1. Universitatea "Babes-Bolyai", Cluj, Catedra de botanica.

(Transylvania--Flora)

TEITEL, A.; GHISE, Doina

On the potassium sensitizing effect of potassium in smooth muscle. Stud. cercet. fiziol. 10 no.1:31-34 '65.

TETI L., A.; GUTSCHE, Deina

Research on modifications of isolated muscle chroomy. Part 1
and 2. Stud. caroet. de fiziol. 10 no.2:149-156 '65.

VRANCEA, S.; IOPET, Aurelia; CHISOLU, Carmen

Methodological aspects of the biological standardization of
corticotropin. Stud. cercet. endocr. 15 no.2:133-140 1964.

COUNTRY : ROMANIA
CATEGORY : Chemical Technology, Chemical Products and Their Applications, Ceramics, Glass, Binding Materials *
REG. NO.: No. 19,1959, No. 38576

AUTHOR : Ghita, A.
INSTITUTE : " "
TITLE : Bricketting of Raw Charge mixture in the Surface-
Layer of Glass
REG. PUB. : II-a Conf. Tech.-Scient. and. Instr. Field,-
Concrete.-Brickle.[Bucuresti], ASIT, 1957, 172-177

ABSTRACT : Described are different bricketting methods of raw charge mixture and results of the experiments conducted with different charge compositions. This was accompanied by the addition of varying quantities of water and different pressure in the making of brickettes. Specific volume and their crushing strength were varied accordingly. Presented is a formula for calculation of the brickette's strength as a function of pressure employed in the bricket making and of the mixture's

*Concrete.

Card: 1/2

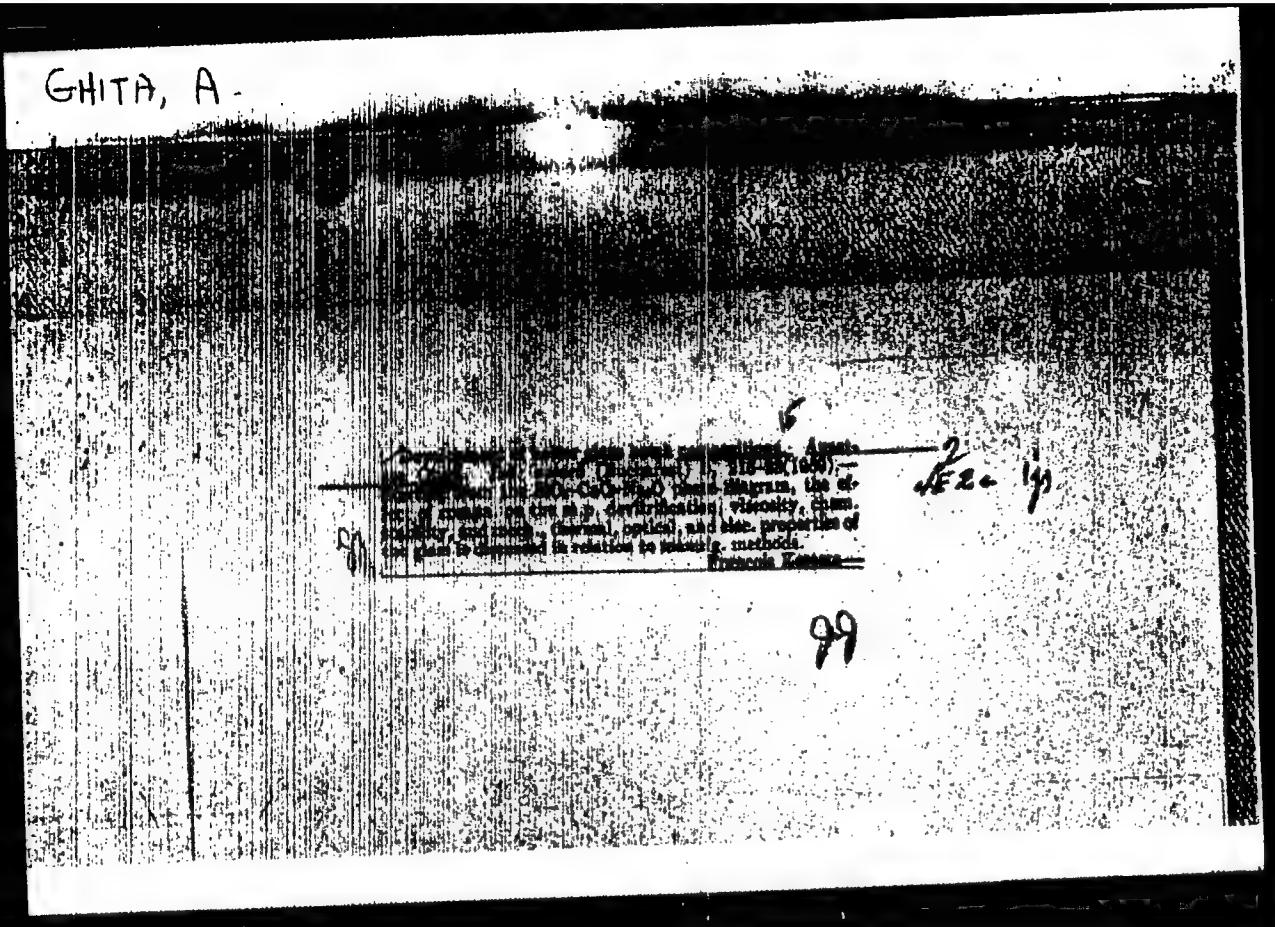
H - 33

~~GHITA, A.~~

"Briquetting the mixture of glass."

p. 121 (Industria Uscara) Vol. 4, no. 3, Mar. 1957
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958



GRIFFA, A.

Devitrification of glass in current technology, and in the manufacture of new articles. p.256

INDUSTRIA USCIRAI. (Asociatia Stiintifica a Inginerilor si Tehnicianilor din Romania si Departamentul Industriei Usoare din Ministerul Industriei Bunurilor de Consum)
Bucuresti, Romania
Vol. 6, no.7, July 1959

Monthly List of East European Accessions (U.S.), Vol. 9, no.1, Jan. 1960
Uncl.

G 17 177

K-6

Category : RUMANIA/Optics - Spectroscopy

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 2444

Author : Agirbaceanu, I., Ghita, C., Topa, V., Weiner, R.
Title : Effect of Argon on the Spectrum of I₂ Vapor

Orig Pub : Comun. Acad. RPR, 1955, 5, No 10, 1439-1448

Abstract : Examination of the effect of argon on the visible and ultraviolet spectrum of iodine vapor. The emission was studied in the 3100--3450 Å range, in which the diffuse bands of the emission spectrum acquire a structure under the influence of argon; various argon pressures were used. An explanation is offered for this process. The data obtained are compared with the results cited in the works by Vencatervarlu and Rao, and some disagreement is noted. The cessation of emission in the visible spectrum in the presence of argon (at 10 mm mercury), observed by Vencatervarlu, is confirmed by the authors' experiments. Also confirmed is the vanishing of the emission spectrum of iodine vapors, previously observed by the authors, except for the 3400 Å region in the presence of air at approximately 12 mm mercury. An investigation was made of the effect of argon on the absorption of iodine (using the hyperfine structure of the 5461 Å Hg line) and also of the effect of absorption of I₂, both in the presence and in the absence of argon, on the width of the lines of the 5461 Å hyperfine structure. A greater broadening of the absorption line was

Card : 1/2

Card : 2/2

COUNTRY	:	RUMANIA
CATEGORY	:	Physical Chemistry. Molecule. Chemical Bond. Molecular Spectra
ABS. JOUR.	:	RZhKhim., No. 1 1960, No. 125
AUTHOR	:	Azirbiceniu, I.; Ghita, C.; Toma, V.
J.R.	:	RUSSIAN ABSTRACT
TITLE	:	Action of Argon on the Spectrum of Iodine in Cr
ORIG. PUB.	:	Rev. phys. Acad. RPR, 1958, 3, No 3-4, 195-202
ABSTRACT	:	No abstract See RZhKhim., No 14, 1956, No 42302.

CARD:

1/1

GHITA, C.

Application of the Zeiss interferential refractometer to the
study of volatile liquids. Studii cerc fiz 12 no.4:839-841 '61.

1. Institutul de fizica, Bucuresti.

41651
S/058/62/000/010/053/093
A061/A101

AUTHORS: Giurgea, M., Ghîja, L., Ghîță, C.

TITLE: The determination of the Rayleigh constant in binary mixtures of liquids

PERIODICAL: Referativnyy zhurnal, Fizika, no. 10, 1962, 3, abstract 10G20
("Studii și cercetări fiz. Acad. RPR", 1961, v. 12, no. 4,
805 - 814, Rumanian; summaries in Russian and French)

TEXT: A photoelectric apparatus was used to determine the Rayleigh constants and the depolarization factors in the binary mixtures benzene-methyl alcohol and benzene-dioxane in various concentrations. The role of coherent (due to fluctuations of concentration and density) and incoherent (due to fluctuations of anisotropy) light scattering components is shown. The confrontation of experimental data with theoretical predictions shows satisfactory agreement when allowing for the change of the refractive index as a function of concentration and density in elementary volumes, considered in the scattering theory, to be identical with the change in the macroscopic value of the refractive index.

[Abstracter's note: Complete translation]

Card 1/1

GIURGEA, M.; GHITA, C.; GHITA, L.

Molecular diffusion of the light in some liquid binary mixtures.
Studii cerc fiz 13 no.3:456-461 '62.

1. Institutul de fizica, Bucuresti.

GHITA,L.; GHITA,C.

Device for macromolecule study by light diffusion. Studii cerc
fiz 14 no.5:725-730 '63.

1. Institutul de fizica, Bucuresti.

GHITA, E.

An excursion of a circle of scientific students of Darwinism-selection
Forestry. p. 401. REVISTA PADURILOR. (Asociatia Stinifica a
Inginerilor si Tehnicienilor din Romania si al Ministerului Agriculturii
si Silviculturii) Bucuresti. Vol. 70 (i.ei 71) no. 6, June, 1956.

SOURCE: East European Accessions List. (EEAL) Library of Congress, Vol. 5,
No. 11, November, 1956.

GHITA, I.; GHEDERIM, V.

Research on the purification of residual waters from the
amidin industry. Studii prot epur apelor 4:281-305 '63

GHITA, L.

The structure of the alloy on the results of quantitative spectral analysis.
METALURGIA SI CONSTRUCTIA DE MASINI (Metallurgy and Machine Construction.)

1:51:Jan 55

41651
S/058/62/000/010/053/093
A061/A101

AUTHORS: Giurgea, M., Ghită, L., Ghită, C.

TYPE: The determination of the Rayleigh constant in binary mixtures of liquids

PERIODICAL: Referativnyy zhurnal, Fizika, no. 10, 1962, 3, abstract 10G20
("Studii și cercetări fiz. Acad. RPR", 1961, v. 12, no. 4,
805 - 814, Rumanian; summaries in Russian and French)

TEXT: A photoelectric apparatus was used to determine the Rayleigh constants and the depolarization factors in the binary mixtures benzene-methyl alcohol and benzene-dioxane in various concentrations. The role of coherent (due to fluctuations of concentration and density) and incoherent (due to fluctuations of anisotropy) light scattering components is shown. The confrontation of experimental data with theoretical predictions shows satisfactory agreement when allowing for the change of the refractive index as a function of concentration and density in elementary volumes, considered in the scattering theory, to be identical with the change in the macroscopic value of the refractive index.

[Abstracter's note: Complete translation]

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GIURGEA, M.; GHITA, C.; GHITA, L.

Molecular diffusion of the light in some liquid binary mixtures.
Studii cerc fiz 13 no.3:456-461 '62.

1. Institutul de fizica, Bucuresti.

GHITA,L.; GHITA,C.

Device for macromolecule study by light diffusion. Studii cerc
fiz 14 no.5:725-730 '63.

1. Institutul de fizica, Bucuresti.

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Various anomalies of ventricular excitation with normal conduction time. Med.int., Bucur. 3 no.5:763-769 Sept 56.

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"APPROVED FOR RELEASE: 09/24/2001

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(ANTIGENS) (IMMUNOELECTROPHORESIS)
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18(6)
AUTHORS:

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RUM/9-59-6-3/40

TITLE:

The Obtaining of Tungsten Powder from Scales

PERIODICAL:

Metalurgia și construcția de mașini, 1959, Nr 6, pp
464-466 (RUM)

ABSTRACT:

The Central Laboratory of the plant "3 August", Bucharest, tackled the problem of obtaining tungsten from the scales formed on the skin of forged rapid wolfram-steel parts. The present article describes the experimental results of the extraction of WO_3 from the scales and obtaining tungsten by reduction of oxides. At the present time research is being continued toward obtaining the wolfram carbide powder starting either from the tungsten thus obtained, or directly from tungsten oxide WO_3 , or from the ammonium parawolframate. The scales formed in wrought or laminated rapid steel is by its quantity a significant source of tungsten or tungsten carbide powder which would be sufficient to satisfy the present needs of

Card 1/2

RUM '9 59-6-3/40

The Obtaining of Tungsten Powder from Scales

wolfram powder for Rumania, the authors write. At the present time, the scales are lost for the Rumanian economy, as they are given no utilization. The authors describe the method applied. The tungsten oxide contained in the scales is turned into soluble sodium tungstate. From the solution of sodium tungstate, wolframic acid is precipitated by means of concentrated hydrochloric acid. The acid is filtered and is transformed into WO_3 through a drying and calcination process. The method has been described by F.H. Scott. The authors tried to pass through ammonium parawolframate to obtain a pure product. Based on the experimental results presented, the authors conclude that the method could have economic significance for Rumania. There are 5 tables, 5 photographs, and 1 Rumanian reference.

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Card 2/2

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Russia-Turkish war from 1769 to 1774. Med. int., Bucur. 7 no.
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surg., venous autograft, case report)

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